

-26-

FLEXIBLE FILM PROVIDED WITH A FINE SPHERULITIC  
POLYAMIDE LAYER CONTAINING NANOSCALAR,  
ANISOTROPIC NUCLEATING AGENTS

ABSTRACT OF THE DISCLOSURE

Described is a film having at least one layer (I), which is composed of spherulitic crystallized polyamide containing solid, dispersed anisotropic nucleating fillers (A). The fillers (A) in layer (I) have an expansion of no greater than 10 nm in the numerical weighted average of all dispersed constituents of the fillers (A) in at least one direction ( $r_1$ ), which can be freely selected for each dispersed constituent. The individual spherulites in layer (I) have a numerically averaged diameter of from 100 nm to 1000 nm in at least one plane which is perpendicular to the surface of the film. The numerically predominant portion of the dispersed fillers (A) in layer (I) form the crystal nucleus of a spherulite.--